

FIG. 1

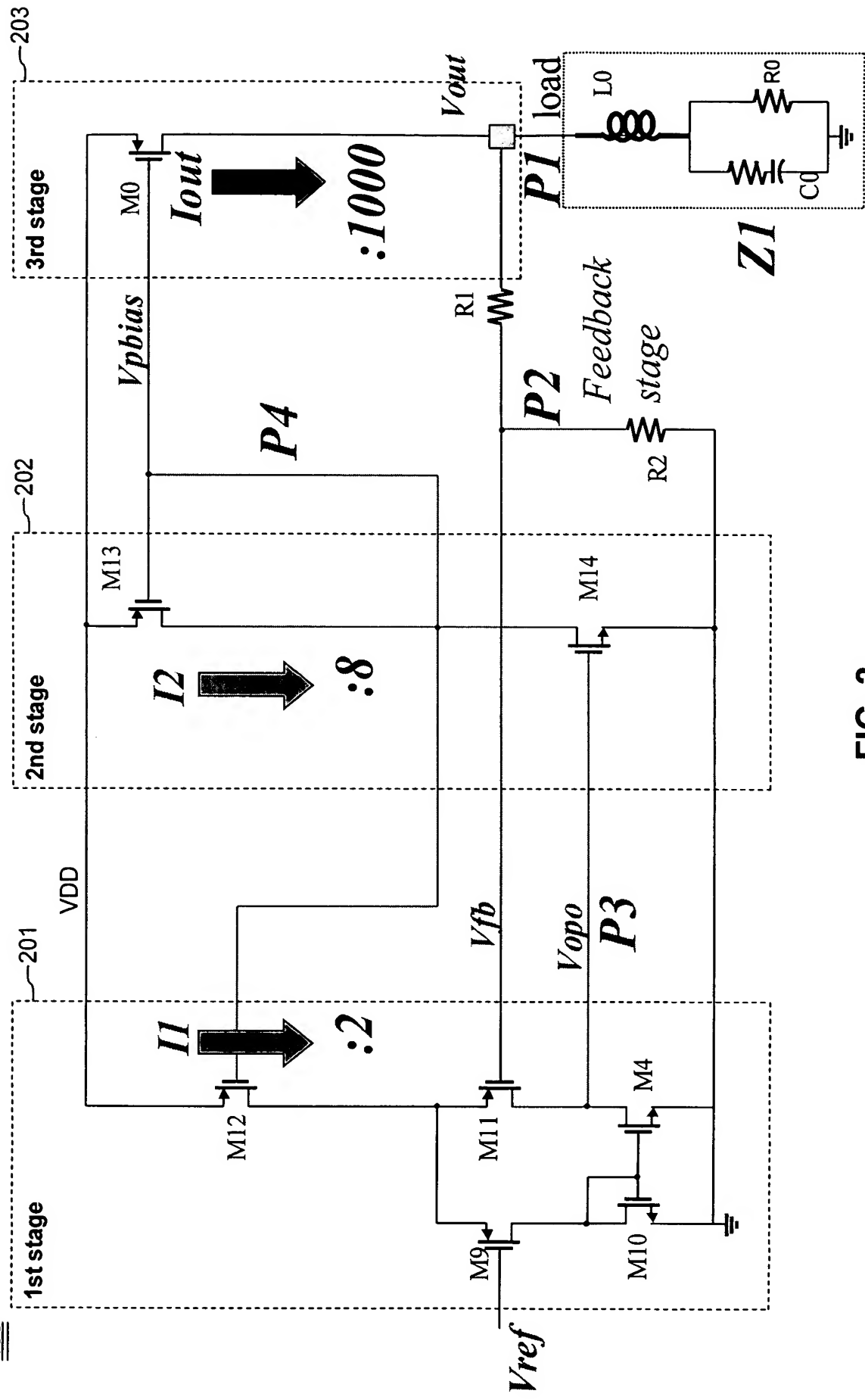


FIG. 2

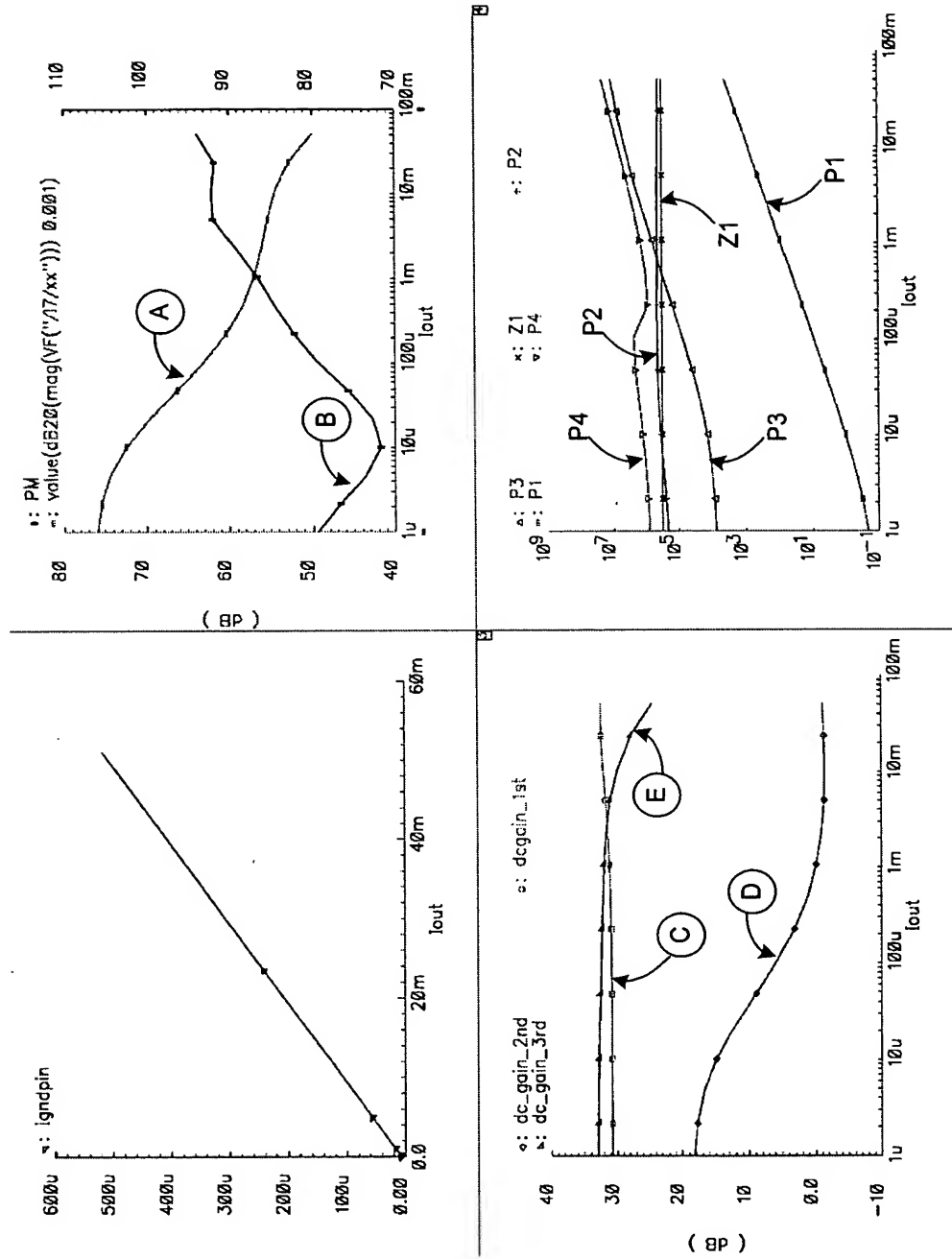


FIG. 3

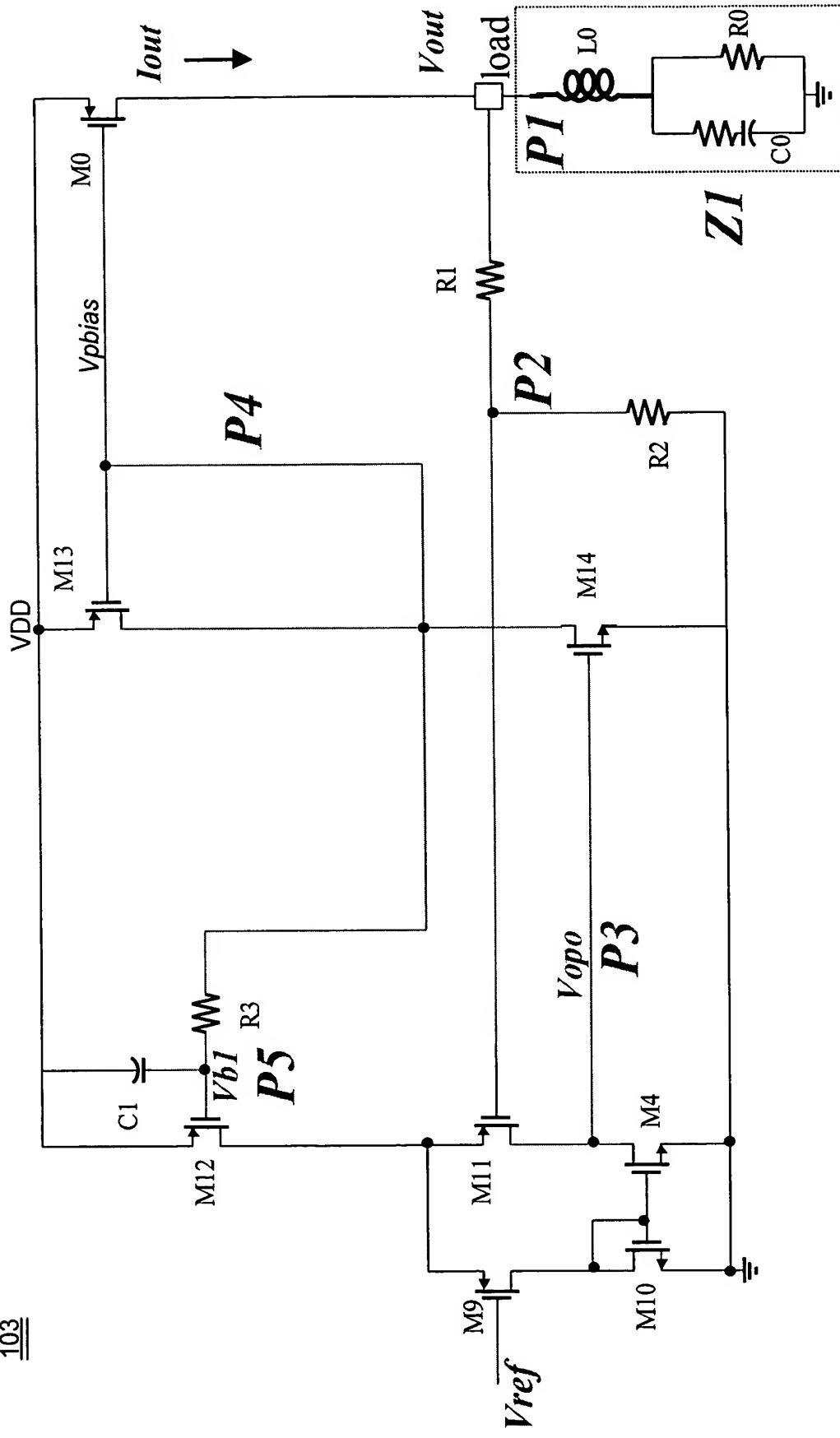


FIG. 4

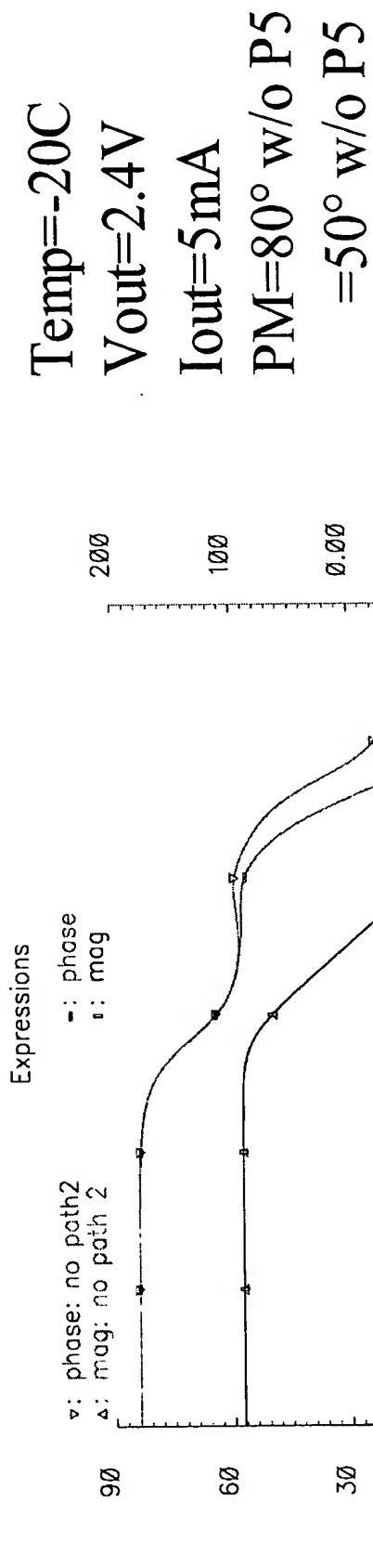


FIG. 5

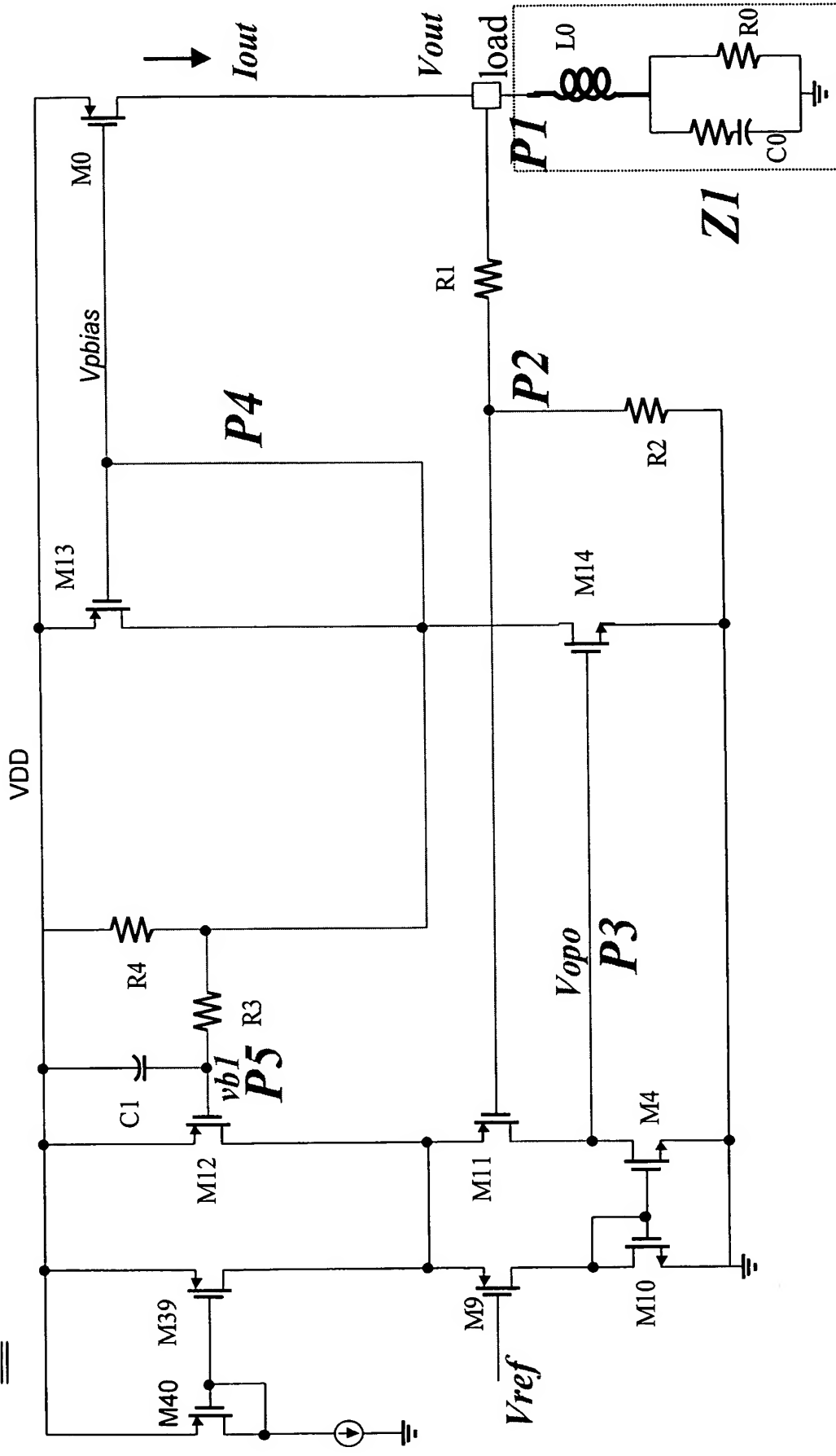


FIG. 6

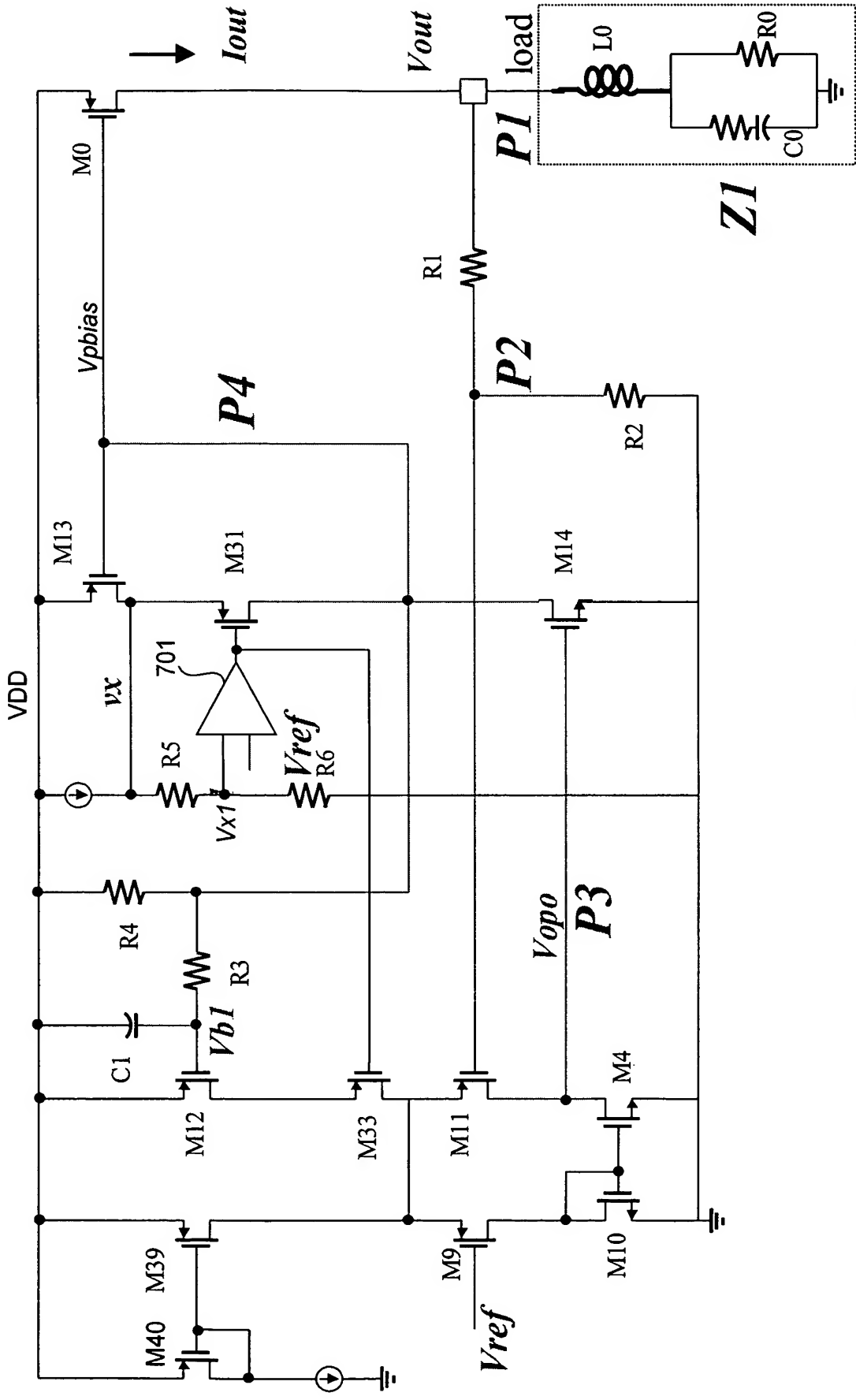


FIG. 7

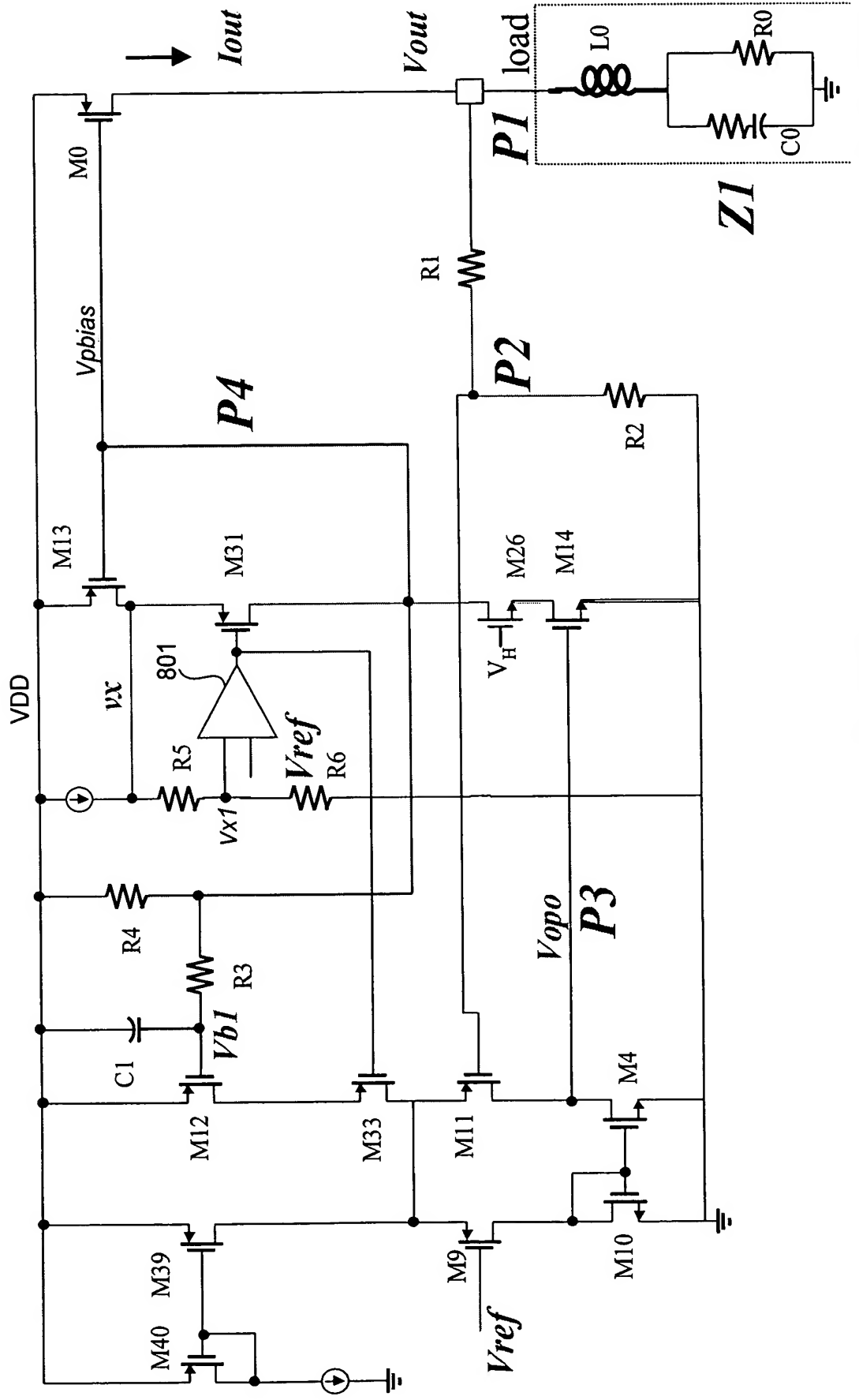


FIG. 8

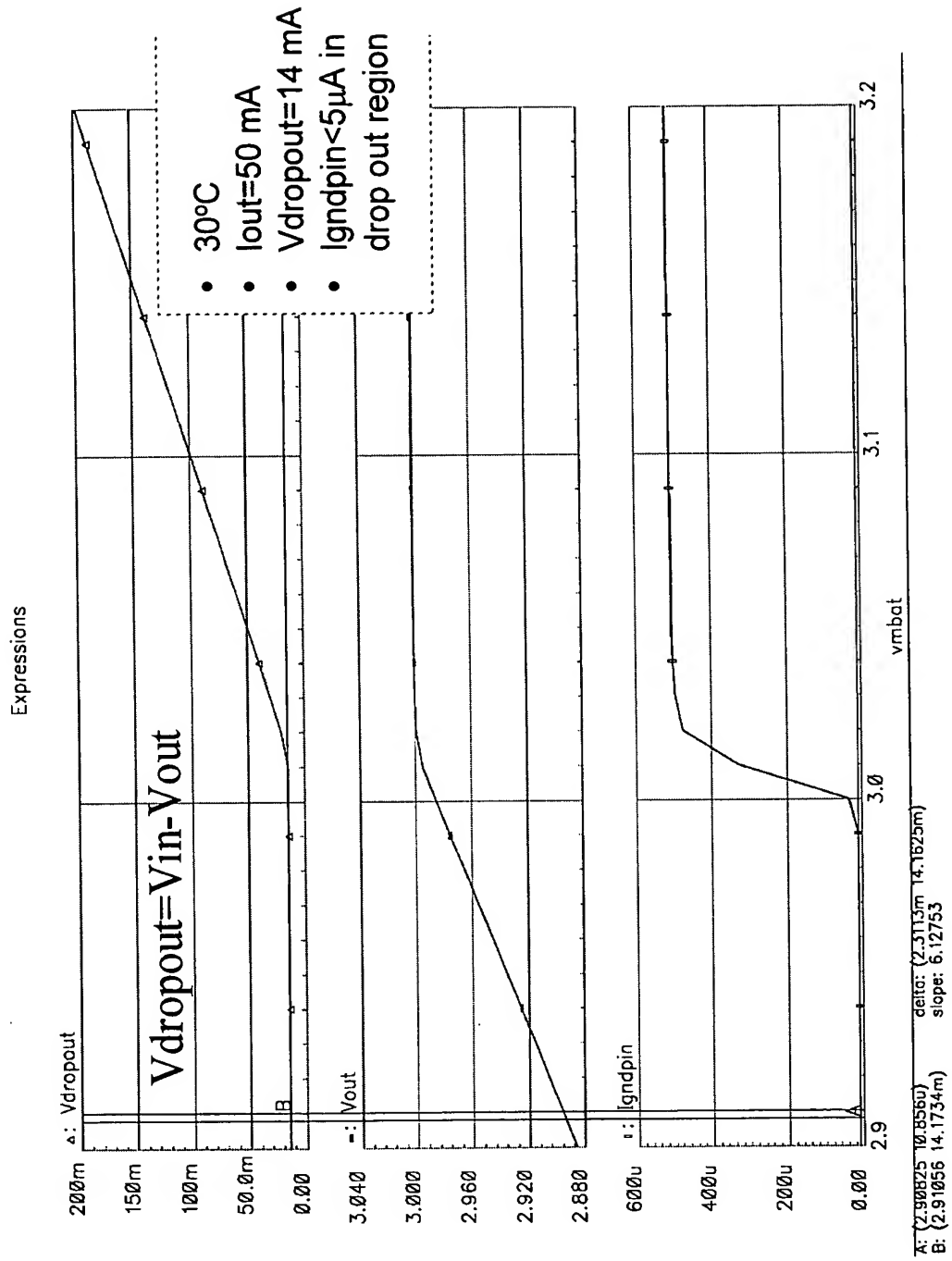


FIG. 9

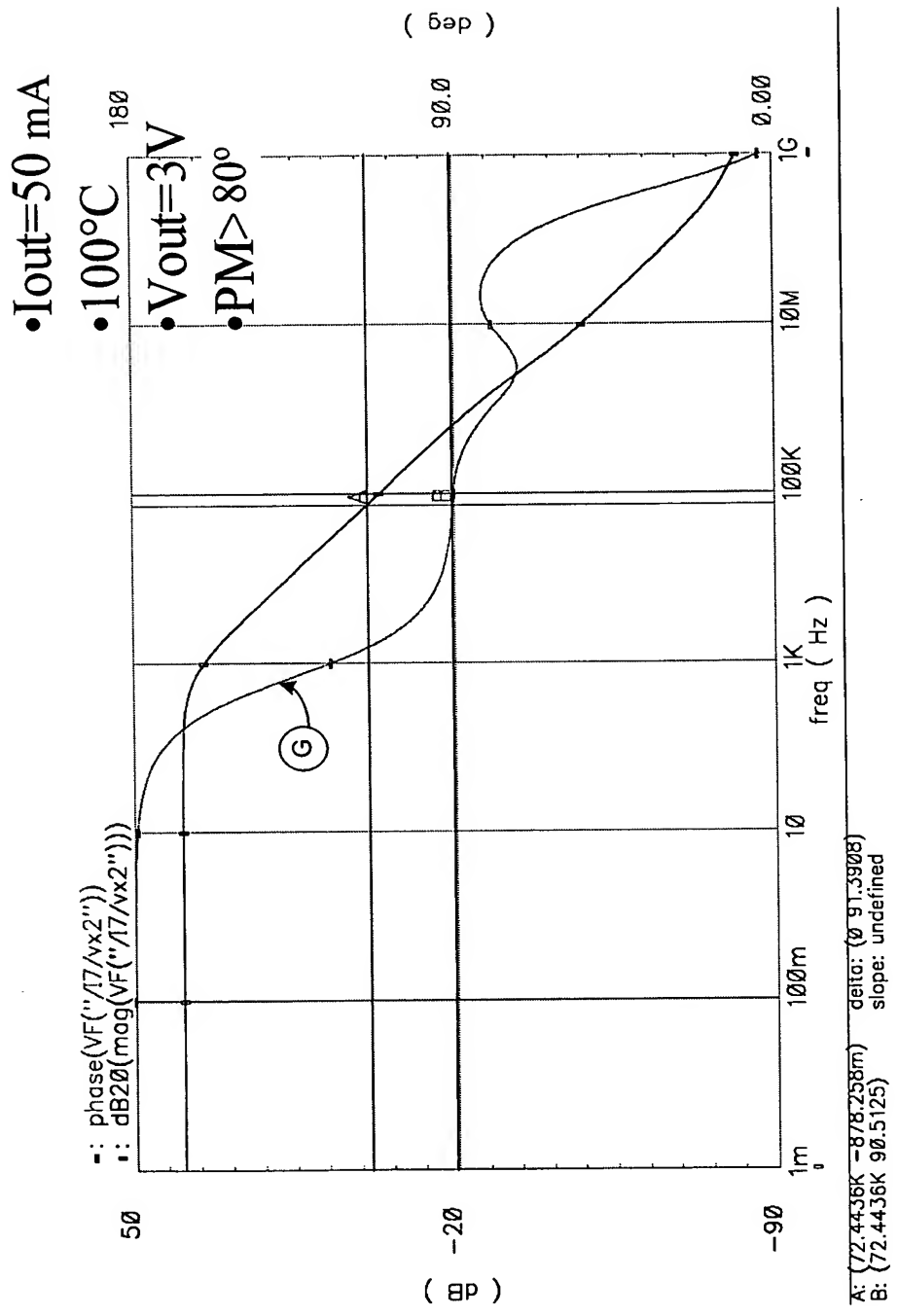


FIG. 10

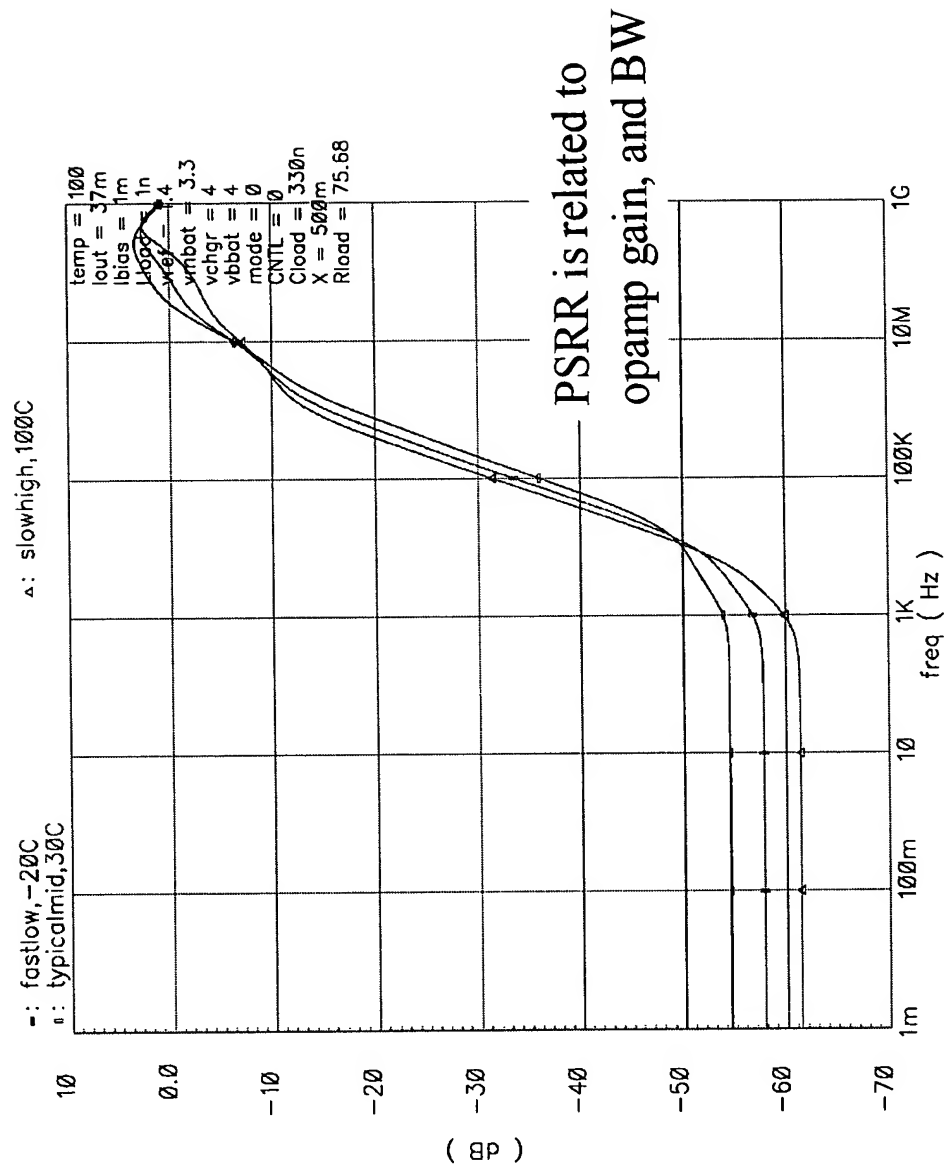


FIG. 11

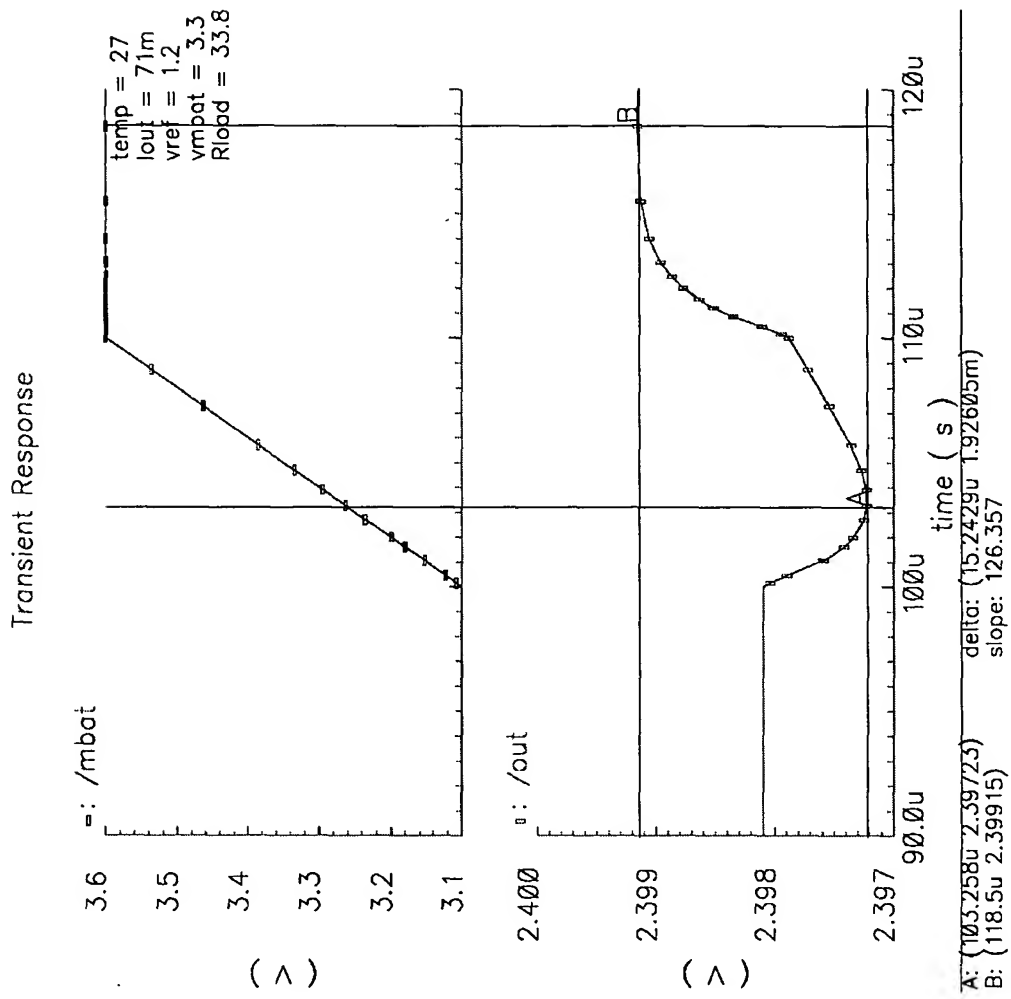


FIG. 12

DC Response

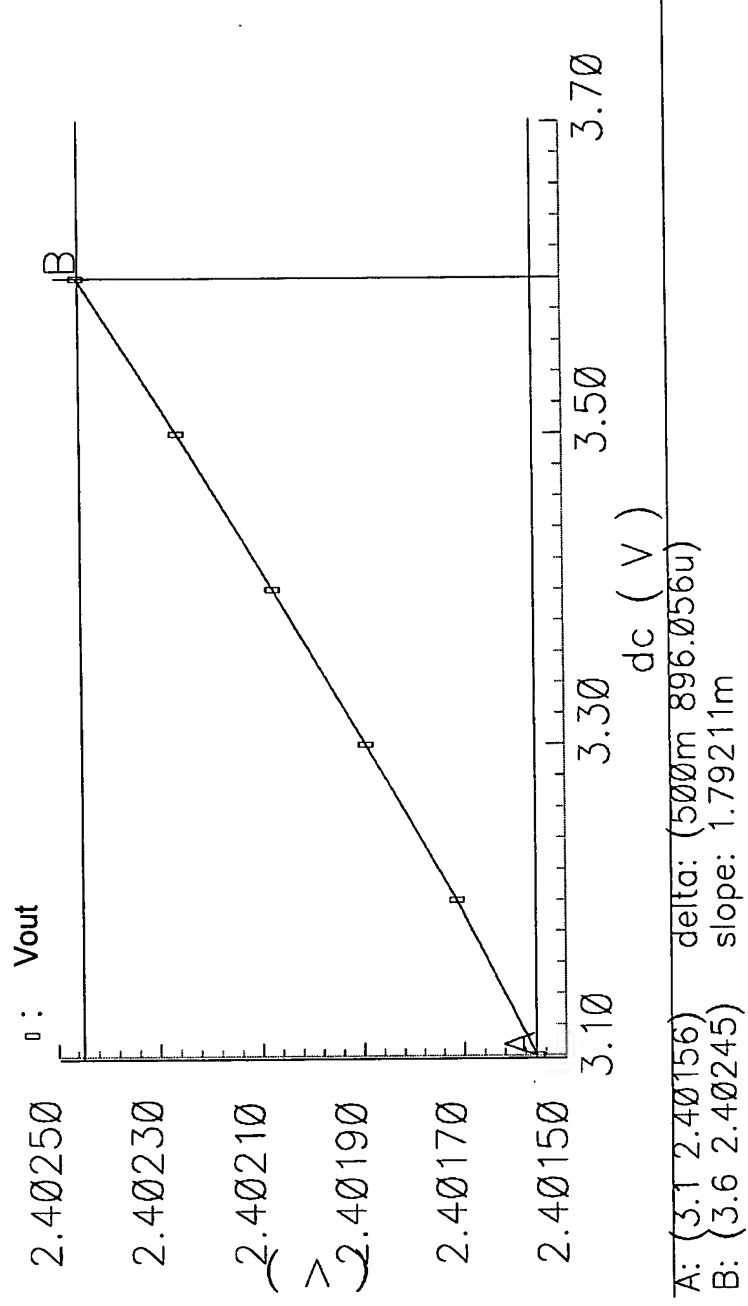
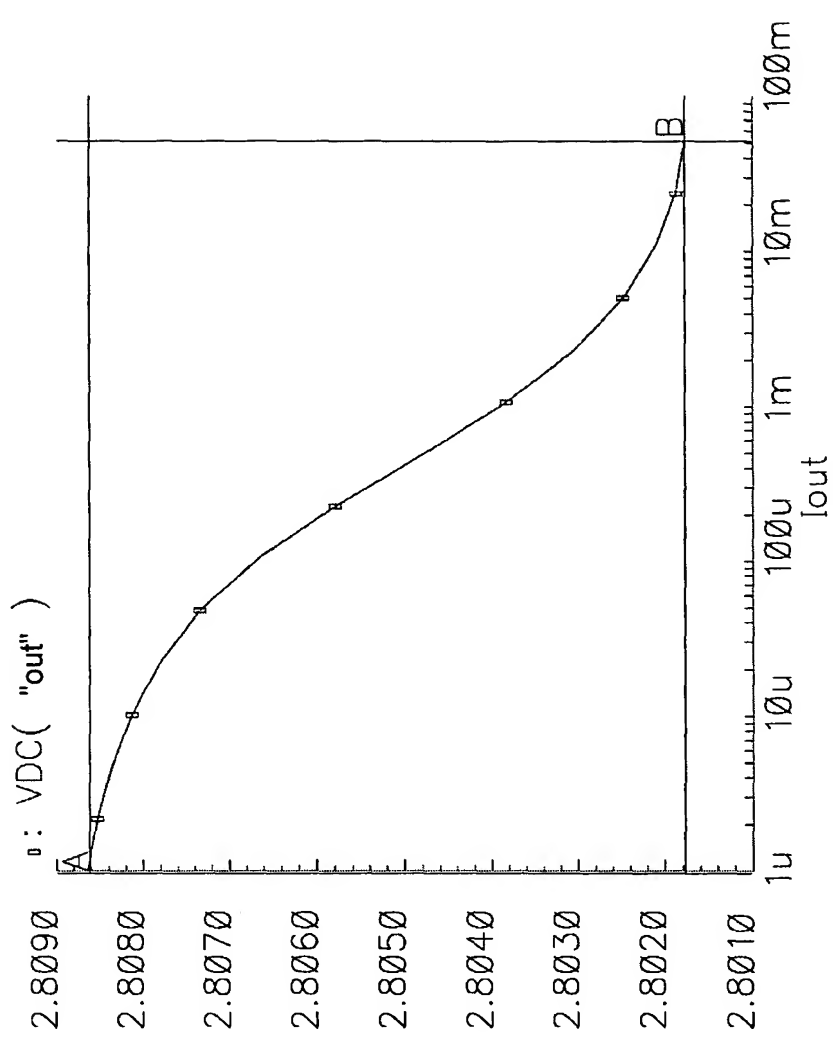


FIG. 13



A: (1u 2.80864) delta: (50.999m -6.8/137m)
 B: (51m 2.80177) slope: -134.735m

FIG. 14

2

Transient Response

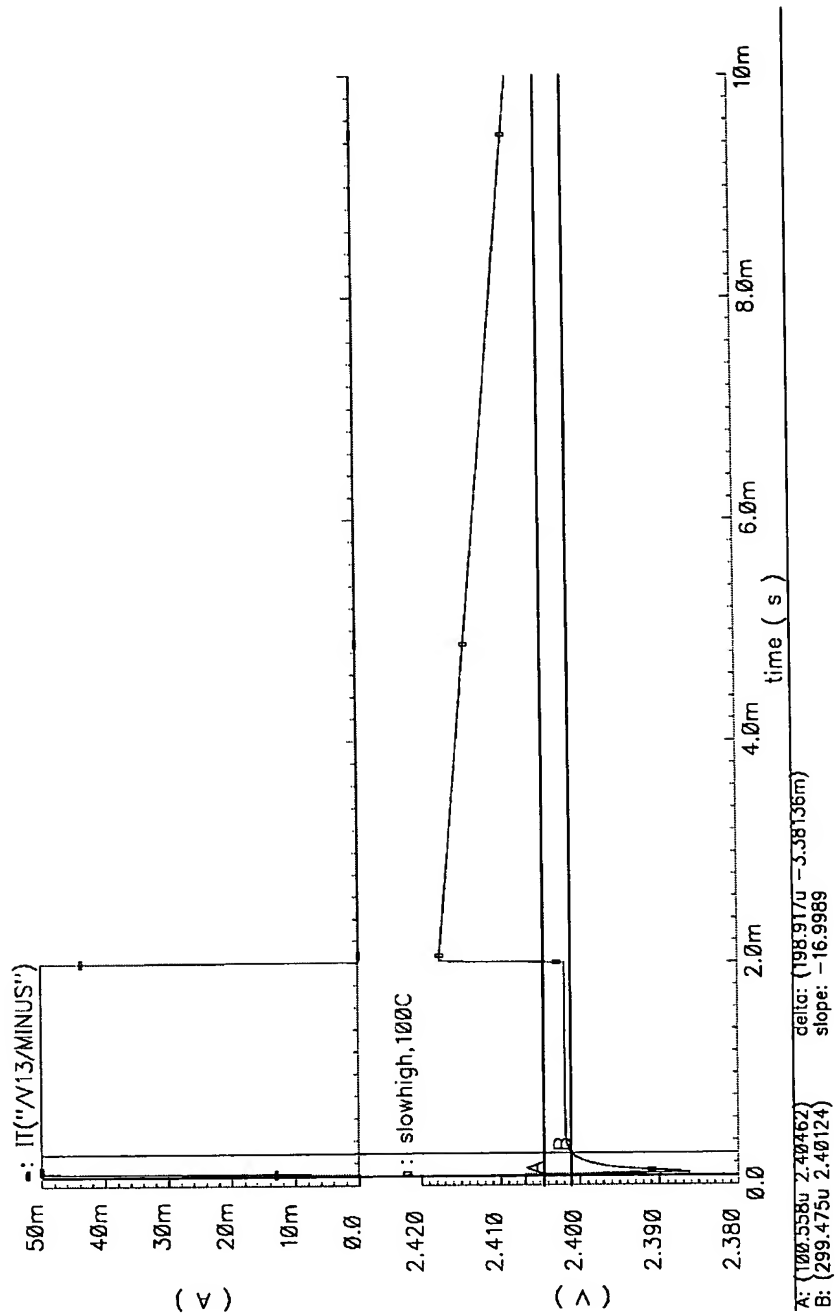


FIG. 15

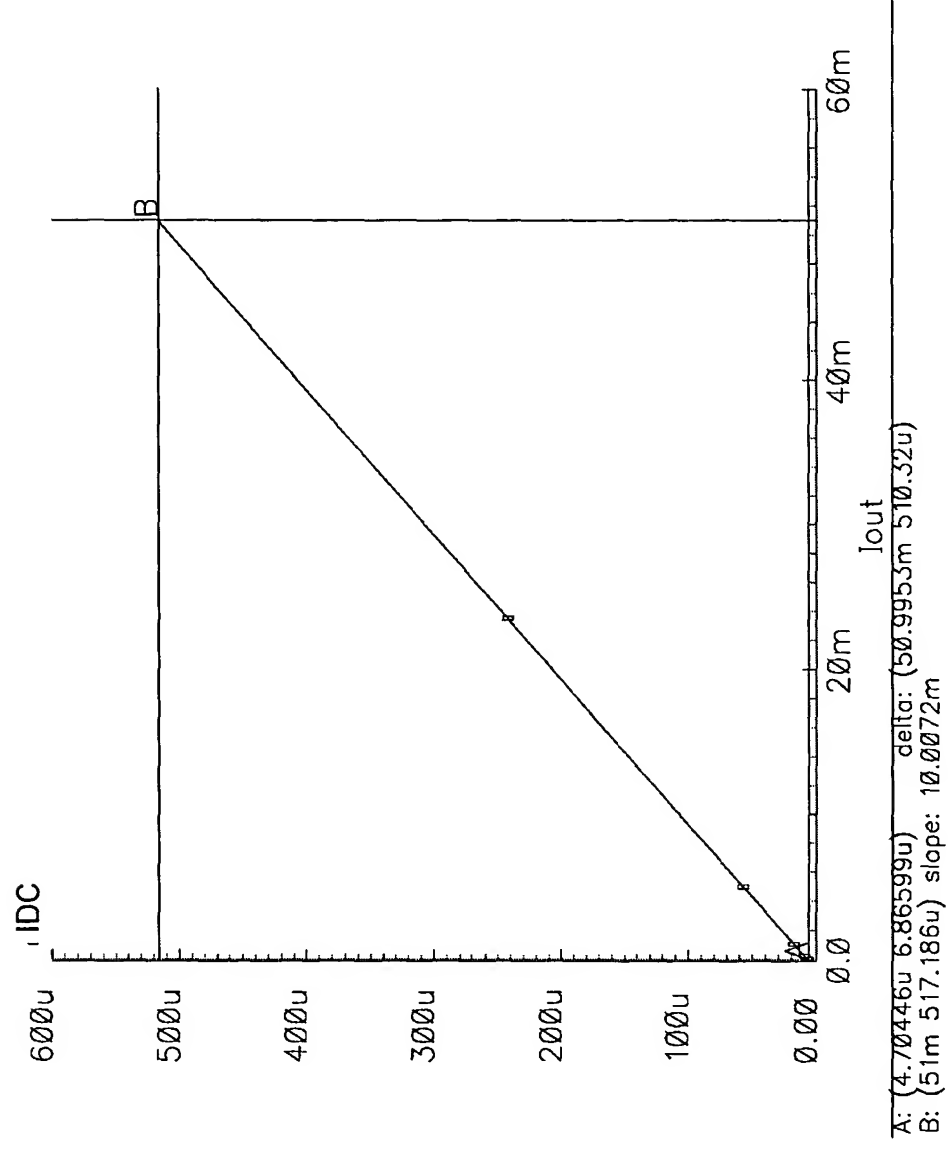


FIG. 16

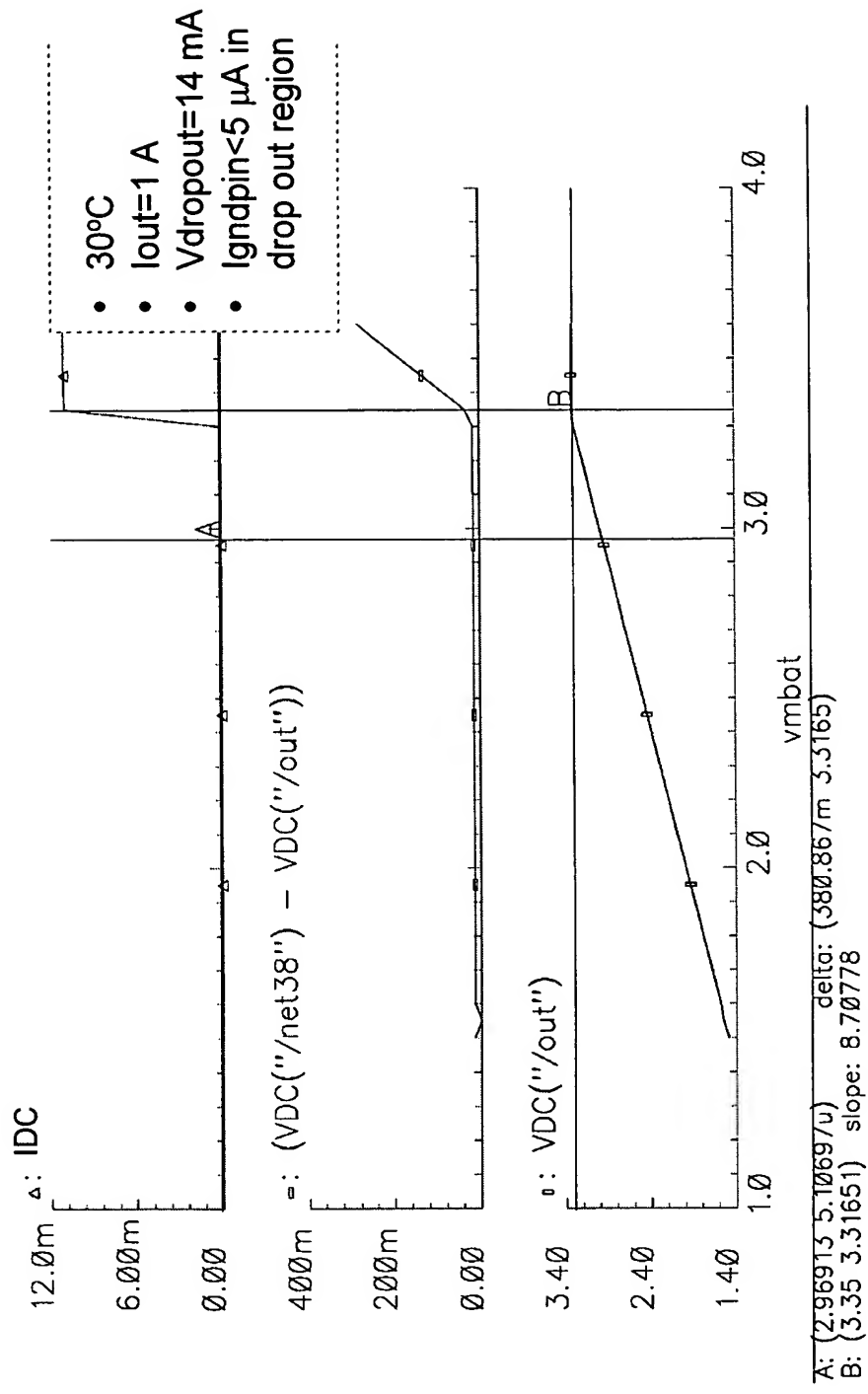


FIG. 17

spec	TI		Maxim	Philips	BRCM	Unit
Part #	TPS72116	MAX8875EUK15	PCF50604	BCM2123		
Output Current	150	150		150		mA
Output Voltage	1.22-2.5	1.5	-	1.2-3.2		V
VO Accuracy	+/- 3	+/- 3	+/-3.5	+/-3.5		%
Input Voltage	1.8-5.5	2.5-6.5		3.3		
Dropout voltage@150mA	150	165		14		mV
VO Line Step Response		40	3	0.9		mV
VO Load Regulation	0.014	0.01	0.01	0.002		%/mA
VO Load Step Response	6.3	0.9	4	0.9		%
Line Regulation	0.72	7.4	1	0.17		mV/V
Ground pin current@OFF	<1	<1	<1	<1		uA
Ground pin current@no load	85	85	30	7 or 21		uA
Ground pin Current@150mA	570	100	3000	1500		uA
Activation Time	20	20	130	12		us
Output Noise Voltage(200-100K)	90	170		84		uV
PSRR@100Hz	48	60	60	58		dB
External Capacitor	1	10	4.7	3		uF

FIG. 18

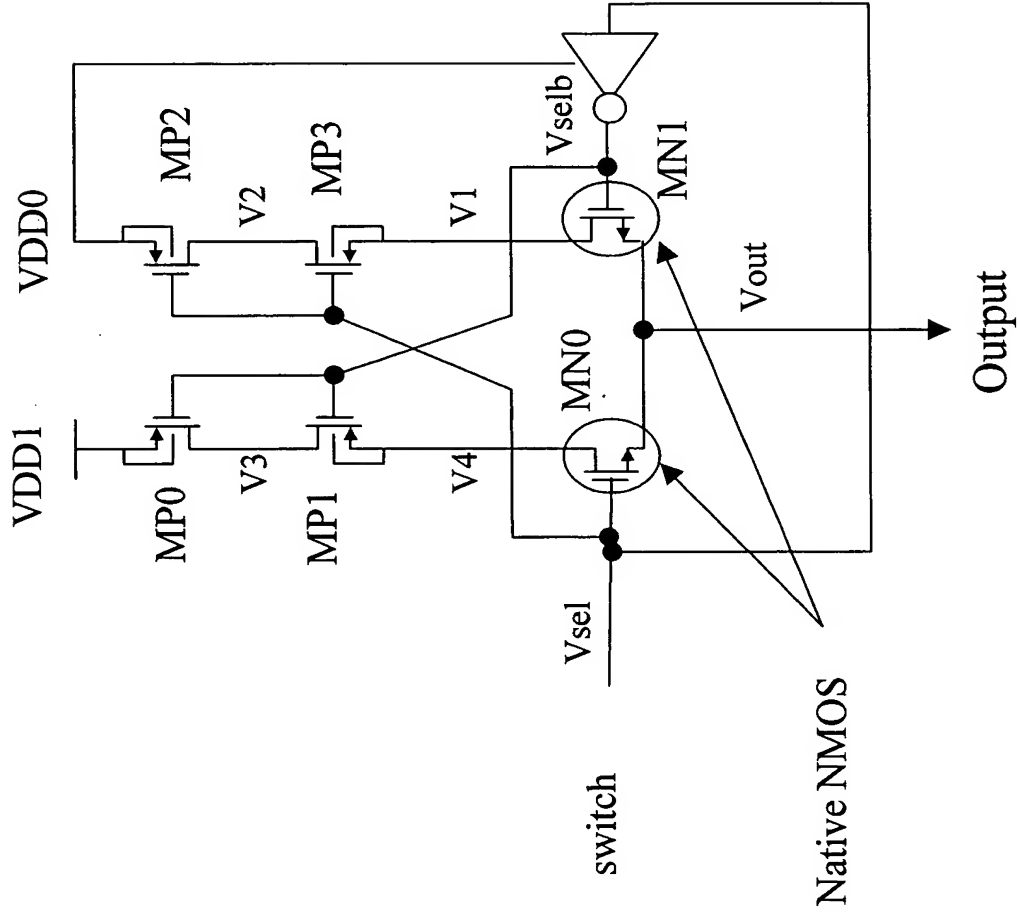


FIG. 19